

# JAVA.IO.CHARARRAYREADER CLASS

[http://www.tutorialspoint.com/java/io/java\\_io\\_chararrayreader.htm](http://www.tutorialspoint.com/java/io/java_io_chararrayreader.htm)

Copyright © tutorialspoint.com

## Introduction

The **java.util.CharArrayReader** class implements a character buffer that can be used as a character-input stream.

## Class declaration

Following is the declaration for **java.util.CharArrayReader** class:

```
public class CharArrayReader
    extends Reader
```

## Field

Following are the fields for **java.util.CharArrayReader** class:

- **protected char[] buf** -- This is the character buffer.
- **protected int count** -- This is the index of the end of this buffer.
- **protected int markedPos** -- This is the position of mark in buffer.
- **protected int pos** -- This is the current buffer position.
- **protected Object lock** -- This is the object used to synchronize operations on this stream.

## Class constructors

S.N.	Constructor & Description
1	<b>CharArrayReader(char[] buf)</b> This creates a CharArrayReader from the specified array of chars.
2	<b>CharArrayReader(char[] buf, int offset, int length)</b> This creates a CharArrayReader from the specified array of chars.

## Class methods

S.N.	Method & Description
1	<a href="#"><u>void close()</u></a> This method closes the stream and releases any system resources associated with it.
2	<a href="#"><u>void mark(int readAheadLimit)</u></a> This method marks the present position in the stream.
3	<a href="#"><u>boolean markSupported()</u></a> This method tells whether this stream supports the mark() operation, which it does.

4	<a href="#"><u>int read()</u></a> This method reads a single character.
5	<a href="#"><u>int read(char[] b, int off, int len)</u></a> This method Reads characters into a portion of an array.
6	<a href="#"><u>boolean ready()</u></a> This method tells whether this stream is ready to be read.
7	<a href="#"><u>void reset()</u></a> This method resets the stream to the most recent mark, or to the beginning if it has never been marked.
8	<a href="#"><u>long skip(long n)</u></a> This method skips characters.

## Methods inherited

This class inherits methods from the following classes:

- java.util.Reader
- java.util.Object